

ABSTRACT

The present invention relates to a process for the preparation of dimethylcumenes comprising alkylating a substrate comprising of one or more xylene isomers with an alkylating agent in the presence of a solid acid zeolite catalyst selected from ultrastable zeolite Y ($\text{Si/Al} = 5$ to 50) and Beta ($\text{Si/Al} = 10 - 120$), and separating the products formed in vapour phase.

10024537 122404